

S.N. 09/678,933  
Robert P. Martin et al.  
Atty Dkt 10004763-1

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### Amendments to the Claims

1. (previously presented) A method of securely connecting a plurality of client computers to computer resources in a shared computer system, comprising:

associating each of said plurality of client computers with at least one virtual private network connection, wherein said plurality of client computers are remotely connected to at least one virtual private network termination device in said shared computer system, said shared computer system comprising an application service provider, and wherein said at least one virtual private network connection is established by said at least one virtual private network termination device;

associating said at least one virtual private network connections with a plurality of virtual local area networks; and

associating at least one of said computer resources in said shared computer system with each of said plurality of virtual local area networks, whereby a domain for each of said plurality of client computers is extended to include said computer resources in said application service provider and said plurality of client computer domains are isolated from each other within said application service provider.

2. (original) The method of claim 1, wherein each of said at least one virtual private network connections is uniquely associated with one of said plurality of virtual local area networks, so that a one to one correspondence exists between said at least one virtual private network connection and said plurality of virtual local area networks.

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3. (original) The method of claim 1, wherein a plurality of said at least one virtual private network connections is uniquely associated with one of said plurality of virtual local area networks.

4. (original) The method of claim 1, further comprising a configuration engine in said shared computer system configuring at least one virtual local area network switch to establish said plurality of virtual local area networks.

5. (original) The method of claim 1, further comprising a configuration engine in said shared computer system configuring said at least one virtual private network termination device to establish said at least one virtual private network connection.

6. (original) The method of claim 4, further comprising said configuration engine reading computer requirements from at least one client.

7. (original) The method of claim 6, further comprising said configuration engine calculating an optimum allocation of said plurality of computer resources to meet said computer requirements of said at least one client.

8. (original) The method of claim 4, further comprising said configuration engine configuring said at least one virtual local area network switch to connect at least two of said plurality of client computers to a same one of said plurality of virtual local area networks.

9. (original) The method of claim 1, wherein at least one of said plurality of client computers is connected to said shared computer system across a dedicated line.

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10. (original) The method of claim 1, wherein at least one of said plurality of client computers is connected to said shared computer system across the Internet.

11. (original) The method of claim 10, wherein at least one of said plurality of client computers is connected to said shared computer system with a modem.

12. (original) The method of claim 10, wherein at least one of said plurality of client computers is connected to said shared computer system with a broadband connection.

13. (original) The method of claim 1, said shared computer system further comprising computer readable program code for authenticating client computer identification, said method further comprising executing said computer readable program code to authenticate client computer identification before associating each of said plurality of client computers with at least one virtual private network connection.

14. (original) The method of claim 1, said shared computer system further comprising at least one firewall, said method further comprising configuring said at least one firewall to accept data from each of said plurality of client computers.

15. (original) The method of claim 14, further comprising a configuration engine in said shared computer system configuring said at least one firewall to accept data from each of said plurality of client computers.

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16. (original) A secure computer system, comprising:

a plurality of computer resources;

at least one virtual local area network switch electrically  
connected to said plurality of computer resources;

at least one virtual private network termination device electrically  
connected to said at least one virtual local area network switch,  
wherein said at least one virtual local area network switch is  
configurable to changeably connect a plurality of virtual private network  
connections in said at least one virtual private network termination  
device to at least one of said plurality of computer resources while  
isolating said plurality of virtual private network connections from one  
another; and

a configuration engine electrically connected to said at least one  
virtual local area network switch, said configuration engine comprising  
computer readable program code for configuring said at least one  
virtual local area network switch to changeably connect each of said  
plurality of virtual private network connections to at least one of said  
plurality of computer resources while isolating said plurality of virtual  
private network connections from one another.

17. (original) The secure computer system of claim 16, wherein said  
computer readable program code in said configuration engine further  
comprises code for a graphical user interface to manually configure said  
virtual local area network switch.

18. (original) The secure computer system of claim 16, wherein said  
computer readable program code in said configuration engine further  
comprises code for automatically configuring said virtual local area network  
switch.

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19. (original) The secure computer system of claim 16, wherein said computer readable program code in said configuration engine further comprises code for reading client computer requirements across said plurality of virtual private network connections.

20. (original) The secure computer system of claim 16, further comprising at least one firewall connected to said plurality of virtual private network connections.

21. (original) The secure computer system of claim 16, further comprising computer readable program code for authenticating identification of client computers connected to said plurality of virtual private network connections.

22. (canceled)